

Exhibit A

TYPICAL PROPERTIES OF "SNOWTEX" COLLOIDAL SILICA

EXHIBIT A

Type	SiO ₂ wt%	Water wt%	Size nm	pH	Viscosity cp
ST-40	40	60	11—14	9.0—10.5	5—25
ST-50	48	52	20—30	8.5—9.5	5—50
ST-C	20	80	11—14	8.5—9.0	1—10
ST-N	20	80	11—14	9.0—10.0	1—6
ST-O	20	80	11—14	2.0—4.0	1—3
ST-S	30	70	7—9	9.0—10.5	1—7
ST-XS	20	80	4—6	9.0—10.0	1—7
ST-20L	20	80	40—50	9.5—11.0	1—3
ST-OL	20	80	40—50	2.0—4.0	1—3

Features

Following properties are excellent;

- heat resistance ■ binding
- dispersion ■ frictionizing
- antistatic ■ large surface area
- transparency ■ gelation

Applications

- binder for precision casting
- metal surface treatment
- textile treatment
- paint vehicle
- catalyst binder
- paper treatment
- binder for inorganic film

Caution

- for industrial use only
- see MSDS for more complete handling information

ST-O is a special grade offered from Nissan Chemical with acidic small particle silicasol, the anion of which is less than 300 ppm. It has good stability and is suitable for the binder for inorganic fibrous shapes of ceramic fiber and glass fiber, and for treatment of steel.



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